

Amendments to the Specification:

Please amend the paragraph starting at page 17, line 18 and ending at page 17, line 24 to read, as follows.

--This current detection scheme is described in detail in, e.g., patent application JP-A Hei 04-056914. (See also Japanese published Patent Document No. 05-223513.) ~~04-056914.~~ Specifically, a DC current IDC passing through a photosensitive member at the time of increasing a surface potential of the photosensitive member from 0 V to Vd or of increasing the surface potential from Vd to 0 V is represented by the following equation (1):--